

Title (en)
ELECTRONIC DEVICES HAVING DISPLAYS WITH EXPANDED EDGES

Title (de)
ELEKTRONISCHE VORRICHTUNGEN MIT ANZEIGEN MIT ERWEITERTEN RÄNDERN

Title (fr)
DISPOSITIFS ÉLECTRONIQUES À AFFICHAGE À BORDS ÉTENDUS

Publication
EP 3701325 A1 20200902 (EN)

Application
EP 19728770 A 20190423

Priority
• US 201862683328 P 20180611
• US 201916390850 A 20190422
• US 2019028769 W 20190423

Abstract (en)
[origin: US2019377385A1] An electronic device may be provided with a display. The display may have a flexible display layer covered by a protective display cover layer. The flexible display layer may be an organic light-emitting diode display layer or other layer with a flexible substrate. The flexible display layer may have a central region with peripheral edges. The central region may be rectangular, may be octagonal, or may have other shapes. Strip-shaped protrusions may extend along each of the peripheral edges of the central region. The strip-shaped protrusions may be bent to provide the protrusions with curved surface profiles. The display cover layer may have a cushion shape with bowed edges that overlap parts of the strip-shaped protrusions, may have curved inner and outer surfaces and/or planar surfaces, may have rounded corners with compound curvature, may have edges with curved surface profiles, and/or may have other configurations.

IPC 8 full level
G02F 1/1333 (2006.01); **H01L 27/32** (2006.01)

CPC (source: CN EP US)
G02F 1/133305 (2013.01 - EP); **G02F 1/133308** (2013.01 - EP); **G04G 9/0088** (2013.01 - EP); **G04G 9/045** (2013.01 - EP); **G04G 17/045** (2013.01 - CN US); **G04G 17/08** (2013.01 - US); **G04G 21/08** (2013.01 - EP); **G06F 1/163** (2013.01 - EP US); **G06F 1/1652** (2013.01 - EP US); **G06F 3/0412** (2013.01 - US); **G06F 3/044** (2013.01 - US); **G09F 9/301** (2013.01 - CN); **G09F 9/335** (2021.05 - CN); **H04B 1/385** (2013.01 - US); **H04B 1/3888** (2013.01 - EP); **H10K 50/84** (2023.02 - US); **H10K 59/87** (2023.02 - CN EP); **H10K 77/111** (2023.02 - EP); **G02F 1/133331** (2021.01 - EP); **G02F 2201/56** (2013.01 - EP); **H04B 2001/3855** (2013.01 - EP); **H04B 2001/3861** (2013.01 - EP US); **H10K 59/12** (2023.02 - CN EP); **H10K 2102/311** (2023.02 - EP US)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
US 11054861 B2 20210706; **US 2019377385 A1 20191212**; CN 111417894 A 20200714; CN 111417894 B 20230414; CN 116246538 A 20230609; EP 3701325 A1 20200902; EP 3701325 B1 20230104; EP 4163711 A1 20230412; US 11442505 B2 20220913; US 11829205 B2 20231128; US 2021325932 A1 20211021; US 2022404875 A1 20221222; US 2024045475 A1 20240208; WO 2019240880 A1 20191219

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US 201916390850 A 20190422; CN 201980006055 A 20190423; CN 202310302314 A 20190423; EP 19728770 A 20190423; EP 22211055 A 20190423; US 2019028769 W 20190423; US 202117365830 A 20210701; US 202217896531 A 20220826; US 202318488907 A 20231017